## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | !NITIALS | ID NO. | DATE      |
|---------------------------|----------|--------|-----------|
| FEE DETERMINATION         | BM       |        | 08, 28-01 |
| O.I.P.E. CLASSIFIER       | ·        | 1/3    | 9/5/01    |
| FORMALITY REVIEW          | Shy      | 877    | 10/08/01  |
| RESPONSE FORMALITY REVIEW |          |        |           |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
|   | Allowed                    | 1 | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
|   | Restricted                 | 0 | Objected     |

|                |          |              |       |              |          | ÷  |          | ••••          |              | ••••     |          |
|----------------|----------|--------------|-------|--------------|----------|--|----------|---------------|--------------|----------|----------|
| Cla            |          |              |       |              |          |  |          |               |              |          |          |
| -              | <u> </u> | 4            | Г     | Т            | Τ        | Da   | Ī        | $\Box$        | Г            | П        | Т        |
| Firal          | Original | 3            |       |              |          |  |          |               |              |          |          |
|                | 1        | $\mathbf{Z}$ |       |              |          |  |          |               |              |          |          |
|                | 2        | 1            |       | L            | L        |  | L        | _             | L.           |          | L        |
| 7              | 3        | Ц            |       | L            | L        | L  | _        |               | _            | L        | L        |
|                | 4        | Ц            | Ŀ     | L            | _        | ┞  | <u> </u> | -             | <u> </u>     | L        | $\vdash$ |
| _              | 5        | Н            | L     | <b> </b>     | ⊢        | -  | _        | ├             | ⊢            | -        | _        |
| _              | 6<br>7   | Н            |       | -            | ┝        | $\vdash$   | ⊢        | ├             | -            | $\vdash$ | $\vdash$ |
|                |          | H            | -     | -            | ⊢        | -  | ⊢        | ┝             | -            | -        | ┝        |
|                | 8        | -            | -     | $\vdash$     | ⊢        | $\vdash$   | $\vdash$ | $\vdash$      |              | ┢        | $\vdash$ |
|                | 10       | -            | ┢     | $\vdash$     | -        | -  | ┝        | _             |              |          |          |
|                | 11       |              | T     |              | Г        | <del>                                     </del> |          | Г             |              | $\vdash$ | _        |
| ·              | 12       |              | Г     |              | Т        | Γ  |          |               |              |          |          |
| # <sup>^</sup> | 13       |              |       |              |          |  |          |               |              |          |          |
| *              | 14       |              |       |              |          | Ŀ  |          |               |              |          |          |
| -91            | 15       | Ц            | ١     | Ŀ            | L        | L  | L        | L             | $oxed{\Box}$ | Ŀ        | _        |
| 10             | 16       | 2            |       |              | L        |  | Ŀ        | Ŀ             | L_           | L        | _        |
| 1.0            | 17       | 3            | 11 (g | 1            | L        | -  | Н        | Щ             |              | _        |          |
| <u> </u>       | 18<br>19 |              |       |              |          |  | ··       |               | H            | -        | ŀ        |
| 1              | 20       | н            | , ,   | -            | H        | -  |          |               |              | -        | -        |
|                |          | 4            |       | -            | Ŀ        | ŀ  |          |               | H            | -        | <u> </u> |
| 墨              | 21<br>22 |              | ;     | H            | $\vdash$ |  | -        |               | $\vdash$     | $\vdash$ | -        |
| *              | ្រុខ     | Н            |       | -            |          | $\vdash$   |          |               | H            | H        |          |
| 数              | 24       | -            | -     | -            |          |  | Н        |               | $\vdash$     | Н        | Н        |
| Ŷ              | 25       | ٠.           |       | _            |          |  |          |               |              |          |          |
| €.             | 26       |              |       |              |          |  |          | -             |              |          |          |
|                | 27       |              |       |              |          |  |          |               |              |          |          |
|                | 28       |              | Ш     | L.           | L        | L  | L        | L             | Щ            | L        |          |
| 4              | 8        |              |       | <u> </u>     | _        | <u> </u>   |          | L.            | L.           | L        | <u> </u> |
|                | 30<br>31 |              |       | <u> </u>     | H        | ├-   | <u> </u> | ╙             | L            | ļ        | L        |
|                | 32       | Н            | -     | ├            |          | ⊢  | H        | <u> </u>      | H            | H        | _        |
|                | 33       | Н            | H     | <del> </del> | $\vdash$ | $\vdash$   | Н        | $\vdash$      | $\vdash$     | $\vdash$ | ┝        |
|                | 34       |              | Н     |              | $\vdash$ | -  | H        |               | -            | $\vdash$ | -        |
|                | 35       |              |       | Г            |          |  |          |               | Г            | Г        | Г        |
|                | 36       |              |       |              |          |  |          |               |              |          |          |
|                | 37       |              |       | Ĺ            | L        |  |          |               |              |          |          |
|                | 38       | Щ            |       | L            | L        | <u> </u>   | Ш        | L             | L.,          | $\vdash$ | L        |
| -              | 39       |              |       | <u> </u>     | $\vdash$ | <u> </u>   | $\vdash$ | $\vdash$      | -            | _        | _        |
| $\dashv$       | 40       | Н            |       | <u> </u>     | $\vdash$ | <u> </u>   | L        | $\vdash$      | $\vdash$     | H        | _        |
|                | 41<br>42 | $\dashv$     | -     | $\vdash$     | ⊢        | -  | $\vdash$ | $\vdash$      | $\vdash$     | H        | _        |
| $\dashv$       | 43       | ۲            | -     | -            | $\vdash$ | ├-   | $\vdash$ | $\vdash$      | $\vdash$     | $\vdash$ | <u> </u> |
| $\dashv$       | 44       | Н            |       | H            | ┢╌       | ┢  | H        | <del> -</del> | $\vdash$     | $\vdash$ | $\vdash$ |
| ᅥ              | 45       | Н            |       | $\vdash$     | $\vdash$ | <del> </del>                                     | Η.       | Н             | $\vdash$     | ┢        | -        |
| $\neg$         | 46       |              |       | Г            |          | $\vdash$   | П        | Г             |              | Т        | Т        |
|                | 47       |              |       |              |          |  | Г        | Г             |              | Г        |          |
|                | 48       |              |       |              |          |  |          |               |              |          |          |
| إز             | 49       |              |       |              | Ĺ        |  |          |               |              |          |          |
| - 1            | 50       |              |       |              |          | Ι .  |          |               | 1            | l Ì      | 1        |

| Cla       | im       | Γ        |                           |          |            | Da       | te       |          |          |              |          |
|-----------|----------|----------|---------------------------|----------|------------|----------|----------|----------|----------|--------------|----------|
| Ų.        |          | -        | П                         | П        | Ė          | 1        | Ï        | Г        |          | Т            | Г        |
| Final     | Original |          |                           |          |            |          |          |          |          |              |          |
| Н.        |          | $\vdash$ |                           | ├        | ⊢          | ⊢        | ┢        |          | ⊢        | ⊢            | ⊢        |
|           | 51       | L        | -                         | ⊢        | <u> </u>   | <u> </u> | <u> </u> | _        | ⊢        | ⊢            | ├-       |
| Ш         | 52       | L.       | ļ                         | _        | ļ          | <u> </u> | ᆫ        | _        | _        | ╙            | _        |
|           | 53       |          | L                         | L        |            | _        |          |          |          | L            | _        |
| $\perp$   | 54       | ļ        | L                         | <u> </u> | L          | _        |          | L        | L        | L            | L        |
|           | 55       | L        | <u> </u>                  | Ц        | lacksquare | _        |          | L        | _        | L            | L        |
| $\perp$   | 56       | <u> </u> | _                         |          | <u>_</u>   |          |          |          |          |              | L        |
|           | 57       | L        | L                         | _        | <u> </u>   | <u> </u> | ļ        |          | L        | _            | L.       |
| Ш         | 58       | L.       | _                         |          | _          | ᆫ        |          | _        | L        | <u> </u>     | L        |
| $\square$ | 59       | L        | L                         |          | ╙          | <u> </u> | L        |          | <u> </u> | L            | _        |
|           | 60       | Щ        | _                         | L        | L          | _        | <u> </u> | L        |          | ᆫ            | <u> </u> |
|           | 61       | L        | L.                        | _        | _          | L.       | _        | _        | <u> </u> | L            | L        |
| Ш         | 62       | L        | L                         | _        | L_         | Щ.       | L_       | L        | <u> </u> | L            | _        |
| Ш         | 63       | L        | Ш                         | L        | Ш          |          | L        |          | L        |              | L        |
| Ш         | 64       | Ĺ        | L                         | L        |            | Ш        | Ш        | Ш        | <u> </u> | $oxed{oxed}$ | L        |
| Щ         | 65       | ·        | Ш                         | <u> </u> | Ŀ          | <u> </u> | _        | _        | _        | _            | L_       |
| Ш         | 66       |          | Ш                         | L        | <u> </u>   | L.,      |          |          | ·        |              | ١.,      |
| Ш         | 67       | L.,      | <u> </u>                  | <u> </u> |            | Ш        |          | <u> </u> | <u> </u> | _            |          |
| Ш         | 68       |          | $ldsymbol{ldsymbol{eta}}$ | 1        | _          |          | į        | _        |          | ×            |          |
|           | 69       |          | L                         |          | L          |          |          | , .      |          |              | ٠        |
| Ш         | 70       | ·        | L                         |          | L          | L        | ,        |          |          |              |          |
|           | 71       |          |                           |          |            |          |          |          |          |              | L.,      |
| Ш         | 72       |          |                           |          |            |          |          |          |          |              |          |
| Ш         | 73       |          |                           | L.       |            |          |          |          |          |              |          |
| Ш         | 74       |          | L                         | _        | L          | _        |          |          |          |              |          |
| Ш         | 75       | _        | L                         | L        |            | Щ        |          |          |          | <u> </u>     |          |
|           | 76       |          |                           |          | _          |          |          |          |          | _            | L.       |
| $\vdash$  | 77       | _        |                           | _        | $\vdash$   | Щ        |          |          |          | Щ            | L        |
| $\vdash$  | 78       | -        |                           | _        | -          |          |          |          | _        | H            |          |
| Н         | 79       |          | $\vdash$                  |          | -          | _        |          |          | _        | $\vdash$     | _        |
| $\vdash$  | 80       |          |                           |          | -          |          | _        |          | _        | Н            | -        |
| Н         | 81       | _        | _                         |          | -          | -        | _        |          | -        | _            | _        |
| -         | 82<br>83 | -        | -                         |          | -          |          | _        | _        | -        | H            |          |
| Н         | 84       | -        | $\vdash$                  | -        | -          | -        | $\vdash$ | _        |          | -            |          |
| $\vdash$  | 85       | -        | -                         |          | -          |          | -        |          |          | -            |          |
| H         | 86       |          | $\vdash$                  | -        | -          | Н        |          | -        | H        | H            | -        |
| $\vdash$  | 87       | $\vdash$ | H-                        | $\vdash$ | $\vdash$   | H        |          | -        | -        | Н            | -        |
| $\vdash$  | 88       |          | $\vdash$                  | -        | -          | -        |          |          | -        | -            | -        |
| H         | 89       |          |                           |          | -          |          |          |          | ii       |              |          |
| Н         | 90       |          |                           |          | Н          |          |          |          |          |              | Н        |
| $\vdash$  | 91       | -        | -                         | $\vdash$ |            | Н        | -        | -        | Н        | -            | -        |
| Н         | 92       | -        | $\vdash$                  | -        | $\vdash$   | Н        | -        | -        | اسا      | -            | Н        |
| H         | 93       | _        | $\vdash$                  | $\vdash$ | $\vdash$   | $\vdash$ | Н        |          | Н        | -            | -        |
| Н         | 94       | _        | $\vdash$                  | _        | $\vdash$   | Н        | Н        |          | $\vdash$ | $\vdash$     | _        |
| Н         | 95       | _        | $\vdash$                  | Н        | $\vdash$   | H        | -        | Н        | Η        | $\vdash$     | H        |
| H         | 96       |          | 1                         | -        |            |          |          |          |          |              | -        |
| H         | 97       |          | $\vdash$                  | Т        |            | Н        | -        | _        | -        | Т            | _        |
| H         | 98       |          |                           | _        |            | $\vdash$ | -        |          | Н        | Т            | -        |
| П         | 99       |          | Т                         |          |            | П        |          |          | П        | Г            | _        |
| П         | 100      |          |                           |          |            |          |          |          |          | $\vdash$     |          |

| •••           | Objected   |      |          |          |          |          |      |          |          |               |          |  |  |
|---------------|------------|------|----------|----------|----------|----------|------|----------|----------|---------------|----------|--|--|
| Clε           | im         |      |          | _        |          | Da       | te   |          | -        |               | _        |  |  |
| Final         | Original   |      |          |          |          |          |      |          |          |               |          |  |  |
|               | 101        |      |          |          |          |          |      |          |          |               |          |  |  |
| _             | 102        |      | _        | L        |          | L        |      | _        |          | L             |          |  |  |
| _             | 103<br>104 |      | L        |          | _        | -        | L    | _        | _        | L             | ļ.,      |  |  |
|               | 105        | -    | $\vdash$ | -        | -        | -        | -    | -        | ┝        | ┝             | $\vdash$ |  |  |
| _             | 106        |      |          | $\vdash$ | _        | $\vdash$ | H    | ┢        | ┢        | H             | Н        |  |  |
|               | 107        |      |          |          |          |          |      |          | ·        | - 7           |          |  |  |
| _             | 108        |      |          | L        | L        | L        | _    | L        |          |               | Ш        |  |  |
| _             | 109<br>110 |      |          | L        | L        | _        | L    | -        | <u> </u> | <u> </u>      | Н        |  |  |
| -             | 111        |      |          | H        | -        |          | ┝    | -        | -        | <del> -</del> | Н        |  |  |
| _             | 112        |      | $\vdash$ | -        | -        | H        | -    | -        |          | H             | Н        |  |  |
|               | 113        |      |          | ì        |          |          |      |          |          |               | П        |  |  |
|               | 114        |      |          |          |          |          | ·    | <i>:</i> |          |               |          |  |  |
|               | 115        |      |          | _        | <u> </u> | L        | Ŀ    |          | Ţ,       | L             | Ш        |  |  |
| _             | 116<br>117 | -    | <u> </u> | _        |          | _        | . 20 |          |          |               | -        |  |  |
|               | 118        |      | -        | 1        |          |          | -    | *        | 1175     | W.F.          | -5       |  |  |
|               | 119        |      |          | Ė        |          |          |      |          |          |               | $\vdash$ |  |  |
| _             | 120        |      |          | - 1      |          |          |      | •        |          | - 1           |          |  |  |
|               | 121        | _    | į.       |          |          |          |      | _        |          | _             |          |  |  |
|               | 122        |      |          |          |          |          |      |          |          | . 1           |          |  |  |
|               | 123        | _    |          | ·        | _        | _        | _    |          |          |               | Ш        |  |  |
| -             | 124<br>125 |      |          |          |          | _        | _    |          |          | L             | Н        |  |  |
| $\dashv$      | 126        |      | -        |          | $\vdash$ | H        | _    |          |          | H             | Н        |  |  |
| $\overline{}$ | 127        |      |          | _        |          | $\vdash$ | Н    |          |          |               | $\neg$   |  |  |
|               | 128        |      |          |          |          |          |      | •        |          |               |          |  |  |
|               | 129        |      |          |          |          |          |      |          |          |               |          |  |  |
|               | 130        | :    |          | _        |          |          |      |          | _        | _             | Щ        |  |  |
|               | 131<br>132 |      | _        |          | _        | H        |      |          |          | -             | $\vdash$ |  |  |
| _             | 133        |      | -        | -        |          |          |      |          | -        | -             | Н        |  |  |
|               | 134        |      | H        | _        | _        |          |      |          |          | П             | П        |  |  |
|               | 135        |      |          |          |          |          |      |          |          |               |          |  |  |
|               | 136        |      |          | _        | Ш        |          | _    |          |          |               |          |  |  |
| -             | 137        |      | _        | _        |          | -        | _    |          | _        | H             | -        |  |  |
| _             | 138<br>139 | 7    |          |          |          |          | -    | -        |          |               |          |  |  |
|               | 140        | _    |          | Н        | Н        | _        |      |          |          |               | П        |  |  |
|               | 141        |      |          | Т        |          |          |      |          |          |               | $\Box$   |  |  |
| ┪             | 142        |      | П        | Т        |          |          |      |          |          | Ш             |          |  |  |
| _             | 143        |      |          |          |          |          |      |          |          |               |          |  |  |
|               | 144        |      |          |          |          |          | L    |          | Щ        |               | Ц        |  |  |
| _             | 145        | 1 41 | _        | -        | 2.33     |          | -    | 1        | 37       | 40            | 2.17     |  |  |
|               | 146<br>147 |      | Н        | Н        | -        |          | -    | $\vdash$ |          | $\vdash$      | H        |  |  |
|               | 148        | _    |          |          | $\vdash$ | Н        | -    | -        | Н        | Н             | $\dashv$ |  |  |
|               | 149        | _    |          | Н        |          |          |      |          |          |               |          |  |  |
|               | 150        |      |          |          |          |          |      |          |          |               |          |  |  |
|               |            |      |          |          |          |          |      |          |          |               |          |  |  |

If more than 150 claims or 10 actions staple additional sheet here

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W 15/58